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Measurement of Tractor Wheel Slip to Determine Proper Amount of Weight Needed

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MEASUREMENT OF TRACTOR WHEEL SLIP TO DETERMINE PROPER AMOUNT OF WEIGHT NEEDED

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1. Put a single mark on the side of a rear wheel with spray paint, chalk, or tape so that it is easily seen from the side of the tractor.

1. Operate the tractor in your usual gear and throttle setting for the implement. With the implement in the ground allow enough space to get the tractor up to speed.

1. Have your partner mark the starting point when the chalk mark is at the predetermined position.

1. As y our partner walks along beside the tractor, have him count ten revolutions of the tire. Place the finish stake at this point.

1. Raise or detach the implement, return to the starting area, and get ready to drive the course again in the same gear, but not in the previously worked ground.

1. The position of the tire mark should be noted by your partner when the tractor passes the starting point. Again, have him count the number of wheel revolutions needed to cover the distance between stakes. Estimate wheel revolutions to the nearest 1/4 turn.

1. Calculate percent slip from the formula:

% slip = (10 revolutions with load) - (revolutions without load) x 100/(10 revolutions with load)

NOTE: 8 to 8 ½ revolutions without load will give you the optimum 10 to 15% wheel slip. Add or remove weight to obtain the proper wheel slip.